# 00110

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TOP SECRET
SENSITIVE

OBJECTIVE

- INDUCE NVN LEADERS TO NEGOTIATE ON OUR TERMS BY APPLYING CONCENTRATED MILITARY AND PSYCHOLOGICAL PRESSURE.

TASKS

- CARRY OUT INTENSIVE, CONCENTRATED AIR CAMPAIGN AIMED AT TOTAL DESTRUCTION OF NORTHEAST LOC AND THE PROGRESSIVE DESTRUCTION OF THE LOGISTIC/INDUSTRIAL BASE CENTERED ON HANOI-HAIPHONG.

- CARRY OUT WIT-DESTROY-RUN OPERATIONS BY SVN FORCES AGAINST DONG HOI, VINH, THANH HOA, QUANG SOI.

- CARRY OUT CLOSE-IN NAVAL GUNFIRE BOMBARDMENT OF MILITARY TARGETS IN HAIPHONG.

- CARRY OUT PSYWAR CONCENTRATED AGAINST NVN LEADERSHIP.

- CARRY OUT POW RESCUE MISSIONS WITH US FORCES.

FORCES

- THOSE CURRENTLY IN SEASIA (AIR AND NAVAL) AND THOSE ASSIGNED CINCPAC
- LIMITED NUMBER OF SELECTED UNITS FROM OTHER AREAS.

SPECIAL CONSIDERATIONS

- WEATHER AT ITS WORST NOV-MAY.
- MAXIMUM EFFORT NOT POSSIBLE DURING NOV-MAY.
- VERY LIMITED OPPORTUNITIES FOR WIT-DESTROY-RAIDS

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OR OTHER MISSIONS REQUIRING AIR SUPPORT.

ALTERNATIVES

A. APPLY CONCENTRATED AIR, NAVAL GUNFIRE AND PSYCHOLOGICAL PRESSURE UNTIL WEATHER BREAKS IN APRIL-MAY AT WHICH TIME GO TO MAXIMUM PRESSURE, INCLUDING GROUND ACTIONS

B. APPLY MAXIMUM EFFORT POSSIBLE WITHIN LIMITATIONS IMPOSED BY WEATHER ACCEPTING GREATLY REDUCED ABILITY TO ACHIEVE THE PRIMARY OBJECTIVE

ATTACHMENTS

A. AIR PLAN.
B. NAVAL GUNFIRE PLAN.
C. RAID PLAN.
D. POW RESCUE PLAN.
E. PSY-WAR PLAN.
F. SPECIAL CAPABILITIONS

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SENSATIVE

## CONCEPT OF OPERATIONS

.. PHASE I 8 NOV 1972 - 1 MAY 1993

.. ~~ROLLING THUNDER~~ STEADY-PRESSURE AIR STRIKES CONCENTRATED ON NE LOC AND HANOI-HAIPHONG COMPLEX.

.. NAVAL GUNFIRE MISSIONS NORTH OF 20

.. SPECIAL OPERATIONS ~~NOT DEPENDENT ON~~ TO ACT AS PERCURSOR OF BIGGER OPERATIONS TO COME ~~GOOD SYLVANIA BEHAVIOR~~.

.. PSYWAR WITH PERCURSOR CONNOTATIONS

FORCES REQUIRED FOR PHASE I WILL BE OPTIMIZED FOR BAD WEATHER. [redacted] FORCES NOT REQUIRED FOR STEADY-PRESSURE OPS WILL REGROUP AND RE-EQUIP FOR PHASE II

SVN FORCES WILL BE TRAINED FOR [redacted] REGIMENTAL SIZE HIT-DESTROY-RUN OPERATIONS AGAINST NVN TARGET COMPLEXES (DONG HOI, VINH, THANH HOA, HAI PHONG.

PHASE II 1 MAY 1973 -

.. MAXIMUM AIR STRIKES CONCENTRATED ON NE LOC AND HANOI COMPLEX.

.. DARING NAVAL GUNFIRE MISSIONS TO PRODUCE MAXIMUM PSYCHOLOGICAL PRESSURE.

.. SPECIAL OPERATIONS TO PROMOTE CONFUSION, FEAR.

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- PSYWAR OPERATIONS OF FINAL PHASE TYPE
- HIT-DESTROY-RUN RAIDS BY SUN FORCES.

FORCES REQUIRED FOR PHASE II WILL BE IN THOSE NUMBERS AND TYPES TO APPLY MAXIMUM PRESSURE DURING THE GOOD WEATHER PERIOD INCLUDING AIR OPERATIONS, NAVAL GUNFIRE, SPECIAL OPERATIONS, HIT-DESTROY-RUN RAIDS, PSY-WAR OPERATIONS

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## AIR OPERATIONS

### PHASE I

#### TASKS

-- APPLY CONSTANT PRESSURE (AND DESTROY TO THE EXTENT FEASIBLE) THE NORTHEAST LINE OF COMMUNICATION

-- APPLY CONSTANT PRESSURE ON (AND DESTROY TO THE EXTENT FEASIBLE) THE LOGISTIC AND WAR SUPPORTING ACTIVITIES IN THE HANOI - HAIPHONG AREA.

-- COMMENCE PROGRESSIVE DESTRUCTION OF ALL AIRFIELDS (EXCEPT GIA LAM) AND MAJOR AIR DEFENSE INSTALLATIONS

-- EXTENSIVELY MINE KEY WATERWAYS.

-- SUPPORT PSYWAR AND SPECIAL OPS MISSIONS

#### FORCES AVAILABLE

| | | |
|---|---|---|
| 205 | B52's | ALL WEATHER CAPABLE |
| 48 | F111's | ALL WEATHER CAPABLE |
| ~~3 CVA's~~ | ~~(AIRCRAFT)~~ | |
| 72 | A7's | |
| 240 | F-4's | LORAN BOMBING CAPABLE |

3 CVA (195 AIRCRAFT) 20-30 A6 ALL WEATHER CAPABLE.

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PHASE II

TASKS

-- COMPLETELY DESTROY THE NORTHEAST LINE OF COMMUNICATION.

-- COMPLETELY DESTROY THE LOGISTIC AND WAR SUPPORTING ACTIVITIES IN HANOI AND HAIPHONG

-- RENDER ALL AIRFIELDS (EXCEPT GIA LAM) USELESS.

-- DESTROY AIR DEFENSE INSTALLATIONS TO THE EXTENT THAT THEY NO LONGER INHIBIT FLIGHT OPERATIONS

-- SURGICAL STRIKES ON GIA LAM BASED MIG'S.

-- SUPPORT HIT-DESTROY-RUN RAIDS BY SVN, SPECIAL OPS MISSIONS, PSY-WAR MISSIONS AND POW RESCUE MISSIONS

FORCES AVAILABLE

205 B52's
48 F111's
72 A7's
240 F4's

6 CVA (390 AIRCRAFT)

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SPECIAL CONSIDERATIONS

CONCENTRATION OF EFFORT ON NORTHEAST LOC, HANOI AND HAIPHONG PARAMONT

COMPLETE DESTRUCTION OF TARGET OR TARGET SYSTEM IS THE CRITERIA FOR LEVEL OF EFFORT

NO RESTRICTION ON TARGETS BY VIRTUE OF LOCATION.

CHINESE BORDER REMAINS INVIOLATE.

ATTACHMENT

CLIMATOLOGICAL DATA ON MAJOR NVN AREAS: REPRESENTATIVE TARGET LIST FOR PHASE I AND II.

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# CLIMATOLOGICAL DATA SHEET

Percentage of days with at least one 6-hour period between 00-12Z with ceiling equal to or greater than 10,000 feet and visibility equal to or greater than five miles at the indicated stations

| STATION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HANOI | 23 | 14 | 6 | 15 | 46 | 57 | 70 | 60 | 63 | 58 | 43 | 34 |
| HAIPHONG | 20 | 10 | 11 | 21 | 39 | 53 | 65 | 64 | 57 | 64 | 50 | 39 |
| THANH HOA | 10 | 4 | 2 | 20 | 46 | 32 | 55 | 50 | 39 | 46 | 25 | 27 |
| VINH | 19 | 6 | 8 | 28 | 60 | 55 | 77 | 60 | 53 | 38 | 28 | 21 |
| DONG HOI | 25 | 11 | 20 | 46 | 61 | 59 | 65 | 35 | 40 | 40 | 21 | 24 |

Mean No. of days with at least one favorable 6-hour period

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HANOI | 7 | 4 | 2 | 4 | 14 | 17 | 22 | 19 | 19 | 18 | 13 | 11 |
| HAIPHONG | 6 | 3 | 3 | 6 | 12 | 16 | 20 | 20 | 17 | 20 | 15 | 12 |
| THANH HOA | 3 | 1 | 1 | 6 | 14 | 10 | 17 | 16 | 12 | 14 | 8 | 8 |
| VINH | 6 | 2 | 2 | 8 | 19 | 16 | 24 | 19 | 16 | 12 | 8 | 7 |
| DONG HOI | 8 | 3 | 6 | 14 | 19 | 18 | 20 | 11 | 12 | 12 | 7 | 7 |

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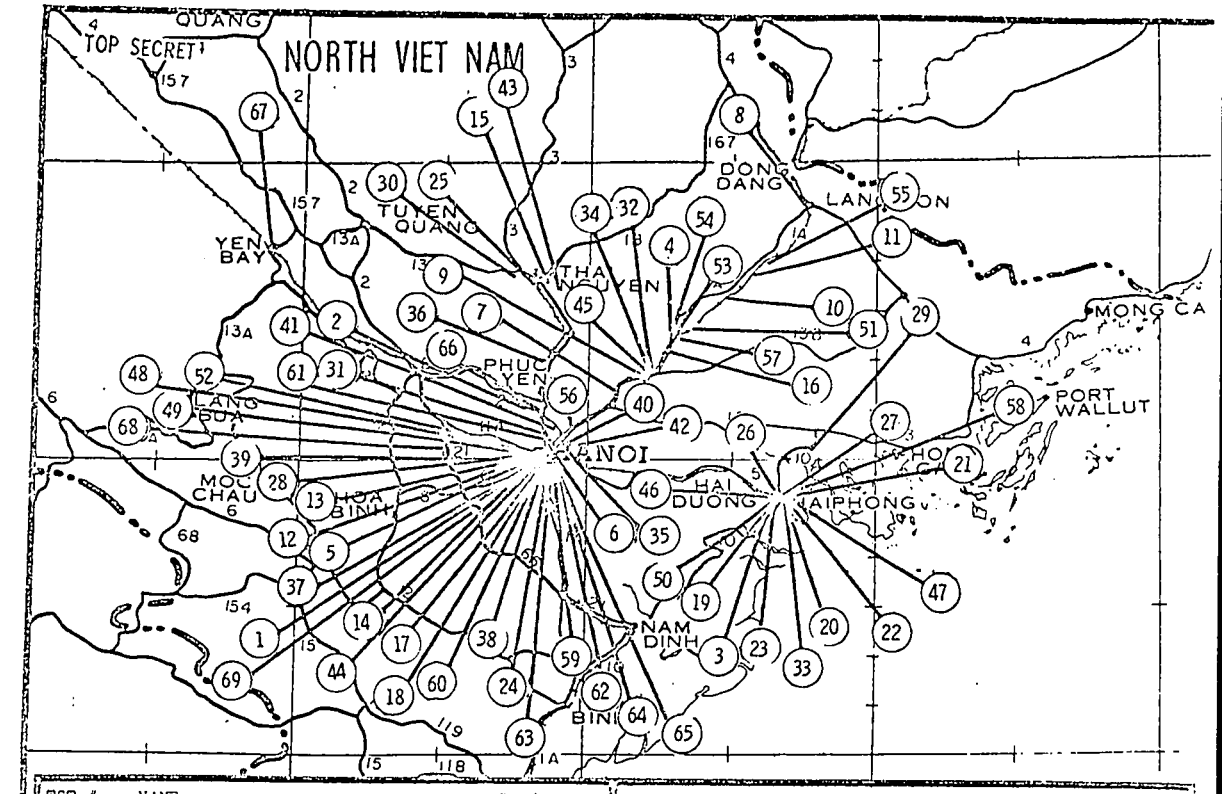


| TGT # | NAME | JCS/BE # |
|---|---|---|
| 1. | Hanoi/Gia Lam AF (A,C,K,L) | 3 /8408 |
| 2. | Phuc Yen AF | 6 /8520 |
| 3. | Haiphong/Kien An AF | 9 /8433 |
| 4. | Kep AF | 9.1 /8438 |
| 5. | Hanoi RR/Hwy Br Red R | 12 /0012 |
| 6. | Hanoi RR/Hwy Br Canal | 13 /0011 |
| 7. | Dap Cau RR/Hwy Br | 16 /0023 |
| 8. | Lang Son RR/Hwy Br | 18 /0025 |
| 9. | Bac Giang RR/Hwy Br | 18.23/0479 |
| 10. | Cao Nung RR Br. | 18.24/0707 |
| 11. | Lang Dang RR Br | 18.58/0665 |
| 12. | Yen Vien RR Yd | 19 /0221 |
| 13. | Hanoi RR Repair Shops | 20 /0022 |
| 14. | Hanoi RR Yd/Shops | 21 /0031 |
| 15. | Thai Nguyen RR Yd/Shops | 21.11/0409 |
| 16. | Kep Vehicle Repair | 39.43/1376 |
| 17. | Van Dien Supply Dpo | 62 /0259 |
| 18. | Van Dien Vehicle Dpo | 63.11/0696 |
| 19. | Haiphong Naval Base (D) | 70 /0004 |
| 20. | Haiphong Shipyard 3 (B) | 70 /0054 |
| 21. | Haiphong Shipyard 4 (C) | 70 /0671 |
| 22. | Haiphong Shipyard 1 (F) | 70 /0672 |
| 23. | Haiphong Shipyard W (H) | 70 /2088 |
| 24. | Hanoi Port (A,C,E) | 73 /0014 |
| 25. | Thai Nguyen Steel Plant (E,P) | 76 /0214 |
| 26. | Haiphong Cement Plant | 77.1 /0706 |
| 27. | Haiphong TPP W | 80 /0007 |
| 28. | Hanoi TPP | 81 /0016 |
| 29. | Uong Bi TPP | 82 /0438 |
| 30. | Thai Nguyen TPP | 82.16/0382 |
| 31. | Hanoi Transformer Sta | 82.24/0545 |
| 32. | Bac Giang TPP | 82.26/0699 |
| 33. | Haiphong RR Yd/Shops | 616-0030 |
| 34. | Bac Giang RR Yd | 616-0032 |
| 35. | Hanoi AAA Maint E | 616-0038 |

| TGT # | NAME | JCS/BE # |
|---|---|---|
| 36. | Ha Gia RR Br | 616-0223 |
| 37. | Ha Dong Vehicle Maint SW | 616-0255 |
| 38. | Hanoi AAA Maint Gia | 616-0257 |
| 39. | Hanoi Vehicle Repair | 616-0266 |
| 40. | Hanoi Stor Gia | 616-0302 |
| 41. | Kinh No RR Yd | 616-0322 |
| 42. | Ai Mo Warehouse E | 616-0325 |
| 43. | Lang Lau RR Br | 616-0524 |
| 44. | Hanoi Stor Bac | 616-0566 |
| 45. | Bac Giang Transshipment | 616-0770 |
| 46. | Haiphong Warehouse NE | 616-0775 |
| 47. | Haiphong Warehouse Port | 616-0901 |
| 48. | Nguyen Khe Stor | 616-0902 |
| 49. | Kinh No Stor | 616-0913 |
| 50. | Haiphong Warehouse 4 | 616-1033 |
| 51. | Vu Chua RR Br S | 616-1150 |
| 52. | Hanoi Vehicle Maint | 616-1295 |
| 53. | Kep RR Yd | 616-1371 |
| 54. | Vu Chua RR Br SW 1 | 616-1400 |
| 55. | Lang Dang Yd/Shops | 616-1586 |
| 56. | Hanoi Stor Xuan | 616-2353 |
| 57. | Kep RR Siding | 616-2446 |
| 58. | Haiphong Warehouse 3 | 616-2516 |
| 59. | Hanoi Warehouse | 616-2704 |
| 60. | Hanoi Vehicle Repair SW | 616-2705 |
| 61. | Kinh No Vehicle Repair | 616-3241 |
| 62. | Hanoi Shipyard Thuong | 616-3372 |
| 63. | Giap Nhi RR Yd | 616-4019 |
| 64. | Hanoi Stor Quinh | 616-4350 |
| 65. | Hanoi Truck Repair | 616-4409 |
| 66. | Kinh No RR Spurs | 616-4557 |
| 67. | Yen Bai AF | 616-8592 |
| 68. | Hoa Lac AF | 616-8593 |
| 69. | Dong Suong AF | 616-8607 |

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## SALIENT FEATURES

[redacted]

| TGT # | NAME<br>SIGNIFICANCE | JCS/BE # | CIV[1]/ CAS |
|---|---|---|---|
| 1 | Hanoi/Gia Lam Airfield (A,G,K,L)[2]<br>6600'/5100' concrete runways. Main structures: 3 POL tanks, 49 acft revetments. Alert/staging base for jet fighters; civil air terminal. 2 NM ENE of Hanoi. | 3 /8408 | 5 |
| 2 | Phuc Yen Airfield [3]<br>9150' concrete runway. Main structures: 3 hangars, 3 UG POL tanks, operations, 87 support, 65 acft revetments. Primary tactical afld. 13 NM N of Hanoi. | 6 /8520 | 5 |
| 3 | Haiphong/Kien An Airfield [3]<br>5900' concrete runway. Main structures: 2 UG hangars (under construction), 40 support, 39 acft revetments. Sustains jet fighter operations. 5 NM SW of Haiphong. | 9 /8433 | 2 |
| 4 | Kep Airfield [3]<br>7265' concrete runway. Main structures: 2 hangarettes, 2 storage, 28 acft revetments. Sustains jet fighter operations. 33 NM NE of Hanoi. | 9.1 /8438 | 1 |
| 5 | Hanoi RR/Hwy Bridge Red R<br>5520' 27-span steel thru truss w/7 cantilever spans. On Rte 1A/rail line to N NVN and China (before it branches into 4 rail lines), just NE of Hanoi. | 12 /0012 | 1 |
| 6 | Hanoi RR/Hwy Bridge Canal<br>738' 5-span steel thru truss. On Rte 1A/rail line to N NVN and China (before it branches into 3 rail lines), 5 NM NE of Hanoi. | 13 /0011 | 0 |
| 7 | Dap Cau RR/Hwy Bridge<br>550' 7-span steel thru truss. On Hanoi-Dong Dang (Northeast) rail line, 18 NM NE of Hanoi. | 16 /0023 | 0 |
| 8 | Lang Son RR/Hwy Bridge[2]<br>295' 2-span steel thru truss. On Hanoi-Dong Dang (Northeast) rail line in Lang Son, 8 NM from China. | 18 /0025 | 58 |
| 9 | Bac Giang RR/Hwy Bridge<br>425' 4-span steel half-thru truss. On Hanoi-Dong Dang (Northeast) rail line, 24 NM NE of Hanoi. | 18.23/0479 | 1 |
| 10 | Cao Nung RR Bridge<br>190' 5-span concrete/steel beam. On Hanoi-Dong Dang (Northeast) rail line, 24 NM SW of Lang Son. | 18.24/0707 | 0 |
| 11 | Lang Dang RR Bridge[2]<br>126' single span steel thru truss. On Hanoi-Dong Dang (Northeast) rail line, 16 NM SW of Dong Dang, 19 NM from China. | 18.58/0665 | 1 |

1/ Estimate of civilian casualties does not reflect evacuation. Evacuation would reduce estimate by 60%.
2/ Requires authorization.

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| TGT # | MAIN SIGNIFICANCE | JCS/BE # | CIV CAS [1] |
|---|---|---|---|
| 12 | Yen Vien RR Yard [3]<br>6% natl rail mil cargo handling capacity. Main structures: 18 sidings, 10 spurs, turning wye, 2 warehouses, 2 support. Largest classification yard in NVN; controls all thru traffic between China and Hanoi. On rail line to N NVN and China (before it branches into 3 rail lines), 5 NM NE of Hanoi. | 19 /0221 | 2 |
| 13 | Hanoi RR Repair Shops [3]<br>28% natl rail equip repair/3% mil cargo handling capacity. Main structures: 5 sidings, 3 repair shops, 90 support. Largest RR repair shop in NVN. 2 NM ENE of Hanoi. | 20 /0022 | 49 |
| 14 | Hanoi RR Yard/Shops [2]<br>29% natl rail equip repair/13% mil cargo handling capacity. Main structures: 17 sidings, turntable, 3 locomotive/RR car repair shops, 42 warehouse/support. Major locomotive repair shop. On main rail line in SW Hanoi. | 21 /0031 | 75 |
| 15 | Thai Nguyen RR Yard/Shops<br>8% natl rail equip repair/4% mil cargo handling capacity. Main structures: 7 spurs, 5 sidings, 4 repair shops, storage/support. On Hanoi-Thai Nguyen rail line, 2 NM SE of Thai Nguyen. | 21.11/0409 | 56 |
| 16 | Kep Vehicle Repair<br>0.5% natl veh maint/repair capacity. Main structures: 3 maint shops, 3 revetted (ammo) storehouses, 27 storage, 28 support. 2 NM S of Kep AF. | 39.43/1376 | 0 |
| 17 | Van Dien Supply Depot [3]<br>233,000 sq ft, 2% natl supply/ordnance capacity. Main structures: 9 veh maint shops, 6 admin, 188 storage/support. Major supply depot. 5 NM S of Hanoi. | 62 /0259 | 3 |
| 18 | Van Dien Vehicle Depot [3]<br>6% natl veh maint/repair capacity. Main structures: 12 maint shops, 44 storage, admin, 71 support. 5 NM S of Hanoi. | 63.11/0696 | 7 |
| 19 | Haiphong Naval Base (D) [2]<br>40% natl naval support/15% ship repair capacity. Main structures: graving dock, 2 fabrication shops, 5 warehouses, 17 support. Main naval repair base. On S bank of Cam Estuary in Haiphong. | 70 /0004 | 8 |
| 20 | Haiphong Shipyard 3 (B)<br>3% natl ship construction/10% ship repair capacity. Main structures: 3 graving docks, 4 slipways, 14 fabrication shops, 5 storage, 12 support. In Haiphong. | 70 /0054 | 14 |
| 21 | Haiphong Shipyard 4 (C) [2]<br>6% natl ship construction/13% ship repair capacity. Main structures: graving dock, 5 fabrication shops, 23 support. Largest shipyard in NVN. On S bank of Cam Estuary in Haiphong. | 70 /0671 | 37 |

1/ Estimate of civilian casualties does not reflect evacuation. Evacuation would reduce estimate by 60%.
2/ Requires authorization.
3/ Designated B-52 target.

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| TGT # | NAME SIGNIFICANCE | JCS/BE # | CIV CAS [1/] |
|---|---|---|---|
| 22 | Haiphong Shipyard 1 (F)[2/]<br>6% natl ship construction/3% ship repair capacity. Main structures: 6 building ways, 2 slipways, 35 support. On S bank of Cam Estuary in Haiphong. | 70 /0672 | 30 |
| 23 | Haiphong Shipyard W (H)<br>3% natl ship construction/3% ship repair capacity. Main structures: 2 graving docks, 2 building ways, 14 support. In Haiphong. | 70 /2088 | 14 |
| 24 | Hanoi Port (A,C,E)<br>Waterway cargo handling capacity: 8,500 STPD, 3% natl capacity. Main structures: 3 wharves, 3 cranes, 13 conveyors, 39 storage. On W bank of Red River in Hanoi. | 73 /0014 | 32 |
| 25 | Thai Nguyen Steel Plant (E,F)[2/]<br>Annual capacity: 300,000 MT pig iron/200,000 MT steel. Main structures: 3 blast furnaces, rolling stock repair shop, machine shops, foundry, forges. 3 NM SE of Thai Nguyen. | 76 /0214 | 15 |
| 26 | Haiphong Cement Plant[2/]<br>Annual capacity: 700,000 MT, only NVN cement plant. Main structures: 3 kiln houses w/7 kilns, 20 warehouses, 12 cement silos, 2 crushers, 9 slurry tanks. In Haiphong. | 77.1 /0706 | 32 |
| 27 | Haiphong Thermal Power Plant W<br>5,000 kw, 2% prestrike natl capacity. Main structures: generator hall, transformer, boilerhouse. In Haiphong. | 80 /0007 | 18 |
| 28 | Hanoi Thermal Power Plant[2/]<br>25,000 kw, 11% prestrike natl capacity. Main structures: generator hall, transformer, 2 boilerhouses, 5 support. In N Hanoi. | 81 /0016 | 19 |
| 29 | Uong Bi Thermal Power Plant<br>24,000 kw, 10% prestrike natl capacity. Main structures: generator hall, transformer, boilerhouse, support. 11 NM NW of Haiphong. | 82 /0438 | 2 |
| 30 | Thai Nguyen Thermal Power Plant<br>24,000 kw, 10% prestrike natl capacity. Main structures: generator hall, transformer, support. In Thai Nguyen. | 82.16/0382 | 3 |
| 31 | Hanoi Transformer Station<br>110/35 kv transformer/switching station. Main structures: 2 transformers, switch house, 3 revetted POL tanks, 2 support. 7 NM N of Hanoi. | 82.24/0545 | 7 |
| 32 | Bac Giang Thermal Power Plant<br>12,000 kw, 5% prestrike natl capacity. Main structures: generator hall, transformer, boilerhouse, support. 25 NM NE of Hanoi. | 82.26/0699 | 9 |

1/ Estimate of civilian casualties does not reflect evacuation. Evacuation would reduce estimate by 60%.
2/ Requires authorization.

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| TGT # | NAME<br>SIGNIFICANCE | JCS/BE # | CIV[1]/<br>CAS |
|---|---|---|---|
| 33 | Haiphong RR Yard/Shops<br>17% natl rail equip repair/8% mil cargo handling capacity. Main structures: 10 sidings, turning wye, 3 repair shops, warehouse. In Haiphong. | 616-0030 | 35 |
| 34 | Bac Giang RR Yard<br>7,000' of track. Main structures: 4 sidings, spur, 20 support. On Hanoi-Dong Dang (Northeast) rail line, 25 NM NE of Hanoi. | 616-0032 | 6 |
| 35 | Hanoi AAA Maintenance E<br>3% natl veh maint/repair capacity. Main structures: 5 maint shops, 33 warehouses, 39 support. 4 NM E of Hanoi. | 616-0038 | 2 |
| 36 | Ha Gia RR Bridge<br>360' 3-span steel half-thru truss. On branch of Hanoi-Dong Dang (Northeast) rail line, 18 NM N of Hanoi. | 616-0223 | 0 |
| 37 | Ha Dong Vehicle Maintenance SW<br>7% natl veh maint/repair capacity. Main structures: 9 maint shops, 3 storage, 4 admin, 13 support. 7 NM SW of Hanoi. | 616-0256 | 0 |
| 38 | Hanoi AAA Maintenance Gia<br>2% natl veh maint/repair capacity. Main structures: maint shops, 46 storage, 3 admin, 91 support. 2 NM NE of Hanoi. | 616-0257 | 10 |
| 39 | Hanoi Vehicle Repair<br>11% natl veh maint/repair capacity. Main structures: 2 overhaul, fabrication shop, repair shop, machine shop, 14 storage/support, admin. 3 NM SW of Hanoi. | 616-0268 | 60 |
| 40 | Hanoi Storage Gia[3]/<br>609,000 sq ft, 6% natl supply/ordnance capacity. Main structures: veh maint shop, 100 storage, 105 support. 3 NM NE of Hanoi. | 616-0302 | 2 |
| 41 | Kinh No RR Yard[3]/<br>3% natl rail mil cargo handling capacity. Main structures: 4 sidings, 4 support. On Hanoi-Lao Cai (Northwest)/Hanoi-Thai Nguyen rail lines, 8 NM N of Hanoi. | 616-0322 | 5 |
| 42 | Ai Mo Warehouse E[3]/<br>261,800 sq ft, 3% natl supply/ordnance capacity. Main structures: veh maint shop, 16 storage, 26 support. 5 NM NE of Hanoi. | 616-0325 | 20 |
| 43 | Lang Lau RR Bridge<br>300' 6-span concrete deck. On branch of Hanoi-Dong Dang (Northeast) rail line, 4 NM SSE of Thai Nguyen. | 616-0524 | 0 |
| 44 | Hanoi Storage Bac<br>219,000 sq ft, 2% natl supply/ordnance capacity. Main structures: veh maint shop, 37 storage, admin, 21 support. 2 NM SW of Hanoi. | 616-0698 | 1 |

1/ Estimate of civilian casualties does not reflect evacuation. Evacuation would reduce estimate by 60%.
3/ Designated B-52 target.

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| TGT # | NAME SIGNIFICANCE | JCS/BE # | CIV[1] CAS |
|---|---|---|---|
| 45 | Bac Giang Transshipment[3] Waterway cargo handling capacity: 3,000 STPD. Main structures: pier, 27 storage/support. On Thuong River, 25 NM NE of Hanoi. | 616-0710 | 2 |
| 46 | Haiphong Warehouse NE[2] 55,000 sq ft, 0.5% natl supply/ordnance capacity. Main structures: 34 storage, admin, 18 support. In Haiphong. | 616-0776 | 20 |
| 47 | Haiphong Warehouse Port[2] 702,000 sq ft, 7% natl supply/ordnance capacity. Main structures: 75 storage, 4 admin, 28 support. In Haiphong. | 616-0901 | 26 |
| 48 | Nguyen Khe Storage[3] 188,700 sq ft, 2% natl supply/ordnance capacity. Main structures: 20 storage, admin, 4 support. 8 NM N of Hanoi. | 616-0902 | 20 |
| 49 | Kinh No Storage 66,000 sq ft, 0.5% natl supply/ordnance capacity. Main structures: 13 storage, warehouse, 5 support. 7 NM N of Hanoi. | 616-0913 | 4 |
| 50 | Haiphong Warehouse 4[2] 172,000 sq ft, 2% natl supply/ordnance capacity. Main structures: 29 storage/support, 2 admin. In Haiphong. | 616-1033 | 31 |
| 51 | Vu Chua RR Bridge S 96' 2-span wood beam. On Hanoi-Dong Dang (Northeast) rail line, 5 NM NE of Kep. | 616-1150 | 0 |
| 52 | Hanoi Vehicle Maintenance 11% natl veh maint/repair capacity. Main structures: 11 maint shops, 13 storage, 8 support. 5 NM W of Hanoi. | 616-1295 | 8 |
| 53 | Kep RR Yard 4% natl rail mil cargo handling capacity. Main structures: 2 sidings. On Hanoi-Dong Dang (Northeast) rail line in Kep. | 616-1371 | 3 |
| 54 | Vu Chua RR Bridge SW 1 90' single span steel beam. On Hanoi-Dong Dang (Northeast) rail line, 5 NM ENE of Kep. | 616-1400 | 0 |
| 55 | Lang Dang RR Yard/Shops[2] 3% natl rail equip repair/4% mil cargo handling capacity. Main structures: 6 sidings, 3 spurs, turning wye. On Hanoi-Dong Dang (Northeast) rail line, 16 NM SW of Dong Dang, 20 NM from China. | 616-1586 | 5 |
| 56 | Hanoi Supply Depot Xuan 223,000 sq ft, 2% natl supply/ordnance capacity. Main structures: 2 veh maint shops, 2 processing, 31 storage, 112 support. 5 NM NE of Hanoi. | 616-2353 | 36 |

1/ Estimate of civilian casualties does not reflect evacuation. Evacuation would reduce estimate by 60%.
2/ Requires authorization.
3/ Designated B-52 target.

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| TGT # | NAME SIGNIFICANCE | JCS/BE # | CIV CAS |
|---|---|---|---|
| 57 | Kep RR Siding<br>1,200' of track. Main structure: siding. On Hanoi-Dong Dang (Northeast) rail line in Kep. | 616-2448 | 0 |
| 58 | Haiphong Warehouse 2/<br>72,800 sq ft, 0.5% natl supply/ordnance capacity. Main structures: 19 warehouses, 2 admin, 11 support. In Haiphong. | 616-2516 | 12 |
| 59 | Hanoi Warehouse<br>7% natl veh maint/repair capacity. Main structures: 4 veh maint shops, 11 storage, admin, 8 support. 2 NM SE of Hanoi. | 616-2704 | 18 |
| 60 | Hanoi Vehicle Repair SW<br>11% natl veh maint/repair capacity. Main structures: 5 maint shops, 6 repair shops, 50 storage/support. 2 NM SSW of Hanoi. | 616-2706 | 44 |
| 61 | Kinh No Vehicle Repair 3/<br>22% natl veh maint/repair capacity. Main structures: overhaul, 4 repair shops, 2 machine shops, 19 storage/support. Only armored vehicle repair facility in NVN. 8 NM N of Hanoi. | 616-3241 | 5 |
| 62 | Hanoi Shipyard Thuong<br>3% natl ship construction capacity. Main structures: 5 building ways, 34 support. 2 NM SE of Hanoi. | 616-3372 | 9 |
| 63 | Giap Nhi RR Yard 3/<br>9% natl rail mil cargo handling capacity. Main structures: 7 sidings, 5 spurs. On Hanoi-Vinh rail line, 3 NM S of Hanoi. | 616-4019 | 4 |
| 64 | Hanoi Storage Quinh<br>173,350 sq ft, 2% natl supply/ordnance capacity. Main structures: 12 storage/support, 19 warehouses, 2 admin. 2 NM SE of Hanoi. | 616-4380 | 35 |
| 65 | Hanoi Truck Repair<br>7% natl veh maint/repair capacity. Main structures: repair shop, storage. 2 NM S of Hanoi. | 616-4409 | 28 |
| 66 | Kinh No RR Spurs 2/ 3/<br>10,670' of track. Main structures: 2 sidings, 7 turning loops, 5 spurs, 2 turning wyes, support. On Hanoi-Thai Nguyen rail line, 8 NM N of Hanoi. | 616-4557 | 5 |
| 67 | Yen Bai Airfield 3/<br>7200' concrete runway. Main structures: 2 UG hangars, 31 acft revetments. Sustains jet fighter operations. 4 NM ENE of Yen Bai. | 616-8592 | 2 |
| 68 | Hoa Loc Airfield 3/<br>7400' PSP runway. Main structures: 19 acft revetments. Alert/staging base for jet fighters. 20 NM W of Hanoi. | 616-8593 | 0 |
| 69 | Dong Suong Airfield 3/<br>8200' crushed rock runway. Main structures: none. Alert/staging base for jet fighters. 15 NM SW of Hanoi. | 616-8607 | 0 |

1/ Estimate of civilian casualties does not reflect evacuation. Evacuation would reduce estimate by 60%.
2/ Requires authorization.
3/ Designated B-52 target.

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# SPECIAL OPERATIONS

## PHASE I

### TASKS

- INSERTION OF COUNTERFEIT MONEY
- STEP UP INSERTION OF BOGUS DOCUMENTS
- COMPLETE RADIO INSERTION PROGRAM WITH RESEEDING AT FREQUENT INTERVALS.
- STEP UP NOTIONAL AGENT PROGRAM KEEPING IN MIND AERIAL AGENT AUTHORIZATION BY 1 MAY.
- DECEPTION OPERATIONS DOVETAILED WITH SEA HIT-DESTROY-RUN RAIDS IN PHASE II.
- FORCED REPATRIATION OF NVA PW's WHO ARE DISSATISFIED WITH NVN GOVERNMENT.
- DEFOLIATION OF A SELECTED AREA OF RICE PADDIES — FOR PSYCHOLOGICAL EFFECT ONLY.
- SMALL TEAMS INSERTED BY AIR INTO REMOTE PARTS OF NVN TO DESTROY POL LINES (EACH AXEL TEAMS)
- SMALL SCALE DIRECT ACTION MISSIONS AGAINST UNDEFENDED NVN TARGETS (STRATA TEAMS)

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## PHASE II

### TASKS

- INTENSIFY PHASE I TASK EXECUTION.
- INCREASE SIZE AND SCOPE OF EARTH ANGEL AND STRATA TEAMS
- CONDUCT UP TO REGIMENTAL-SIZE HIT-DESTROY-RUN RAIDS BY SVN FORCES AGAINST DONG HOI, VINH, THANH HOA, HAIPHONG
- CONDUCT ARC OPERATIONS TO CONVINCE NVN LEADERS THAT SVN AND/OR U.S. FORCES INTEND TO LAND AMPHIBIOUSLY IN NVN.
- SVN FORCES CAPTURE BACLANG VI, ISLE AND SET UP RADIO STATION.
- CONDUCT POW RELEASE RAID OPERATIONS.

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## CIA TARGETS

| Targets | Location | Comment |
|---|---|---|
| 1. Rail yards | | |
| Dong Dang rail yard | 3 miles from PRC border (NE rail line) | Probability of border violation high |
| Lao Cai rail yard | on PRC border (NW rail line) | Probability of border violation high |
| 2. Highways | | |
| Major highways in buffer zone leading from China. | | |
| 3. POL | | |
| POL pumping station in buffer zone | Dong Dang, Ban Noc, Packeo, Bang Nlac | |
| 4. Steel | | |
| Thai Nguyen iron and steel combined | about 45 miles North of Hanoi | Steel on JCS list, iron on Vogt list |
| 5. Fertilizer Plants | Phu Tho (50 miles northwest of Hanoi) | largest of plants |
| | Van Dien (near Hanoi) | |
| | Hai Duong (25 miles east of Hanoi) | |
| 6. Machine Tool | | |
| Hanoi Machine Tool Plant | Hanoi | Also on Vogt list |
| Tran Hung Dao Machine Tool Plant | Hanoi | |
| Duyen Hai Machine Plant | Haiphong | |
| 7. Electric Power | | |
| Hanoi Thermal Power Plant | | on JCS/Vogt lists (bombed during Rolling Thunder) |
| Haiphong East Thermal Power Plant | | May be on JCS list (unless there is also West complex) |

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| | | |
|---|---|---|
| 8. Transportation Repair | 2 miles north of Hanoi | (appears to be on JCS list as Target 13) |
| Gia Lam Railroad Station Yard and Car Repair Shop | | |
| Hanoi Rail Station and Classification Yard and Shops | in heart of Hanoi | main repair facility for rail stock (may be JCS Target 14) |
| Haiphong rail yard | | (may be JCS Target 33) has been attacked during line backer) |

9. Food Processing Plants
4 canneries, many sugar mills, 14 major ricemills

10. Radio Stations
CIA lists 12

Vogt lists 4, some of which on CIA list

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| | Hai Duong (25 miles east of Hanoi) | |
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| Tran Hung Dao Machine Tool Plant | Hanoi | |
| Duyen Hai Machine Plant | Haiphong | |
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VogT Targets
8/22/72

# SECRET

SELECTED TARGETS IN NORTH VIETNAM FOR MAXIMUM IMPACT AGAINST THE NVA

GENERAL TARGETS

| | | |
|---|---|---|
| | Hanoi Machine Tool and Engineering Equipment Plant | BE 616-00261 |
| | Hanoi Thermal Power Plant | BE 616-00016 |
| | Hanoi RR YD and Shop | BE 616-00031 |
| | Thai Nyugen Steel Plant | BE 616-00214 |
| | Thai Nyugen Iron Ore Proc Plant | BE 616-00336 |
| | Hanoi PPS PUG Thanh Liet | BE 616-02199 |
| | Tong Bks/Vehicle Storg and Repair Fac | BE 616-02282 |
| * | Ngo Xuyen HPP South | BE 616-KT0278 |
| * | Ngo Xuyen HPP North | BE 616-KT0277 |

Note: * Indicate Route Pack VI B

BUFFER RR BR

| | | |
|---|---|---|
| | Lang Giai RR Br 6 | BE 616-01392 |
| | Lang Giai RR Br 5 | BE 616-01182 |
| | Lang Giai RR Br 4 | BE 616-01391 |
| | Lang Giai RR Br 3 | BE 616-01419 |
| | Lang Giai RR Br 2 | BE 616-01390 |
| | Lang Giai RR Br 1 | BE 616-01389 |
| | Lang Giai RR Br | BE 616-KT-0148 |
| | Lang Nac RR Br | BE 616-05104 |
| | Lang Nac RR Br SW | BE 616-05108 |

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| | |
|---|---|
| BUFFER HWY BR | |
| Mo Pia Hwy Br S | BE 616-KB-0040 |
| Lang Nac Hwy Br S | BE 616-02110 |
| Mo Pia Hwy Br Rt 175 | BE 616-01246 |
| Pac Va Hwy Br N | BE 616-02963 |
| Qhy Hau Hwy Br SE | BE 616-KB-0041 |
| RADIO STATIONS | |
| Hanoi Radio XMTR Me Tri | BE 616-00163 |
| Hanoi RADCOM XMTR No. 2 Ha Dong | BE 616-02759 |
| Lang Truoc RADCOM XMTR | BE 616-03662 |
| Hanoi RADCOM Sta No. 11 Bac Mai | BE 616-04243 |